

Datasheet for ABIN2689887

anti-H2-T23 antibody (AA 161-179) (Biotin)

7 Publications

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Overview

Quantity:	0.5 mg
Target:	H2-T23
Binding Specificity:	AA 161-179
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This H2-T23 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Qa-1[b] aa. 161-179 Peptide
Clone:	6A8-6F10-1A6
Isotype:	IgG1 kappa
Characteristics:	The 6A8.6F10.1A6 monoclonal antibody reacts with the Qa-1[b] alloantigen, which is a nonclassical MHC class I (Class Ib) molecule encoded by the T23 gene of the H-2 complex. Qa-1 associates with β 2-microglobulin and is expressed at low levels on most leukocytes and many other cell types. Its level of cell-surface expression is upregulated by IFN γ or specific peptides. Qa-1 is an oligomorphic molecule which presents a limited pool of peptides to T lymphocytes bearing $\alpha\beta$ and $\gamma\delta$ TCR and binds to a large subpopulation of NK cells. In fact, Qa-1[b] is the ligand for CD94/NKG2A, CD94/NKG2C, and CD94/NKG2E receptors, which are

Product Details

expressed on NK cells. Furthermore, it has been reported that Qa-1 expressed on activated B lymphocytes is involved in immunoregulation by inducing T-cell-mediated suppression of antibody responses. The 6A8.6F10.1A6 mAb can detect Qa-1[b] on activated splenocytes from C57BL/6 and BALB/c mice (both Qa-1[b]), but not from A/J mice (Qa-1[a]), and it can block target cell recognition by CTLs specific for Qa-1-presented antigen.

BD Pharmingen™ Biotin Mouse Anti-Mouse Qa-1[b] - Biotin - Clone 6A8.6F10.1A6 - Isotype Mouse IgG1, κ - Reactivity Ms - 0.5 mg

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: H2-T23

Alternative Name: Qa-1[b] ([H2-T23 Products](#))

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Aqueous buffered solution containing ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Storage: 4 °C

Storage Comment: Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Kerti-Szigeti, Nusser: "Similar GABAA receptor subunit composition in somatic and axon initial segment synapses of hippocampal pyramidal cells." in: **eLife**, Vol. 5, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)